

- 5 -

## CLAIMS

1. Flange (1) for pipes for the transport of petrochemical fluids, gases and liquefied gases, characterised in that it has a bearing surface (11) for clamping jaw (3), which has a peripheral portion (2) bevelled in the direction of support of the jaw (3).

2. Flange according to claim 1, characterised in that said peripheral bevelled portion (2) is a curved surface.

3. Flange according to claim 2, characterised in that the inequality  $(R_v * a) + (R_o * b) > (F_{ao} * b) - (F_{av} * a)$  is always verified, where:

$R_v$  = vertical component of the applied force R;  
 $a$  = arm of the vertical components of the forces;  
 $R_o$  = horizontal component of the applied force R;  
 $b$  = arm of the horizontal components of the forces;  
 $F_{ao}$  = horizontal component of the friction force  $F_a$ ;  
 $F_{av}$  = vertical component of the friction force  $F_a$ .